

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

June 08, 2004

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE.

APPLICATION NUMBER: 60/459,776

FILING DATE: April 02, 2003

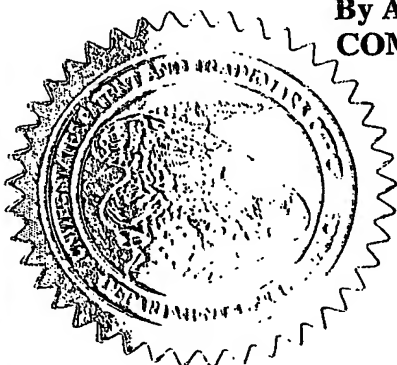
RELATED PCT APPLICATION NUMBER: PCT/US04/10317

REC'D 11 JUN 2004

WIPO

PCT

By Authority of the  
COMMISSIONER OF PATENTS AND TRADEMARKS



*E. Bornett*  
E. BORNETT  
Certifying Officer

PRIORITY DOCUMENT  
SUBMITTED OR TRANSMITTED IN  
COMPLIANCE WITH  
RULE 17.1(a) OR (b)

BEST AVAILABLE COPY

04/02/03  
JCS98 U.S. P.T.

04-03-03

60459776-040776

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

# **PROVISIONAL APPLICATION FOR PATENT COVER SHEET**

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No.

EU982362459US

J1036 U.S. P.T.  
60/459776

BEST AVAILABLE COPY

INVENTOR(S)					
Given Name (first and middle [if any])		Family Name or Surname		Residence (City and either State or Foreign Country)	
David Paul		Brisco		Duncan, Oklahoma	
<input type="checkbox"/> Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
PACKER SETTING TOOL					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number		000027684		<div style="border: 1px solid black; padding: 2px;">Place Customer Number Bar Code Label here</div>	
OR		Type Customer Number here			
<input checked="" type="checkbox"/> Firm or Individual Name		Todd Mattingly			
Address		1000 Louisiana Street			
Address		Suite 4300			
City		Houston	State	TX	ZIP 77002-5012
Country		USA	Telephone	713-547-2301	Fax 713-236-5585
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages		5		<input type="checkbox"/> CD(s), Number	
<input type="checkbox"/> Drawing(s) Number of Sheets				<input checked="" type="checkbox"/> Other (specify)	
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		Return Receipt Postcard			
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.				FILING FEE AMOUNT (\$)	
<input type="checkbox"/> A check or money order is enclosed to cover the filing fees					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number:		08-1394		\$160.00	
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted,

SIGNATURE

TYPED or PRINTED NAME Todd Mattingly

TELEPHONE 713-547-2301

Date 04/02/2003

REGISTRATION NO.

(if appropriate)

Docket Number:

40,298

25791.270

## **USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT**

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

EU982362459US  
Docket No. 25791.270

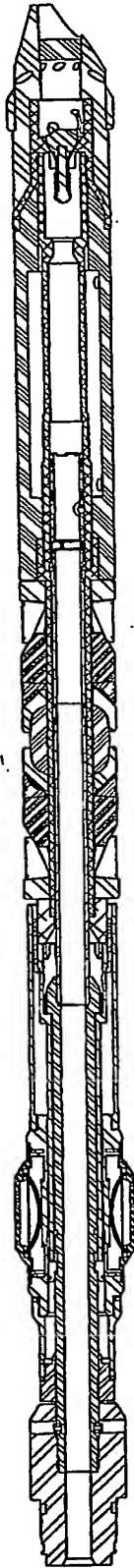
## PACKER SETTING TOOL

INVENTOR: DAVID BRISCO

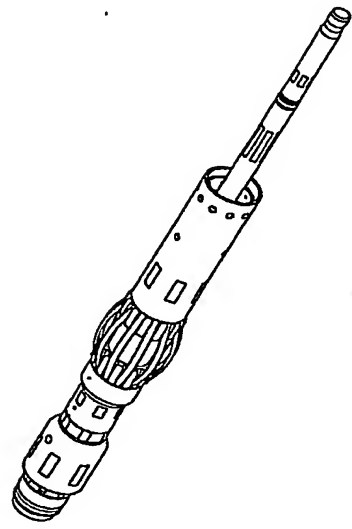
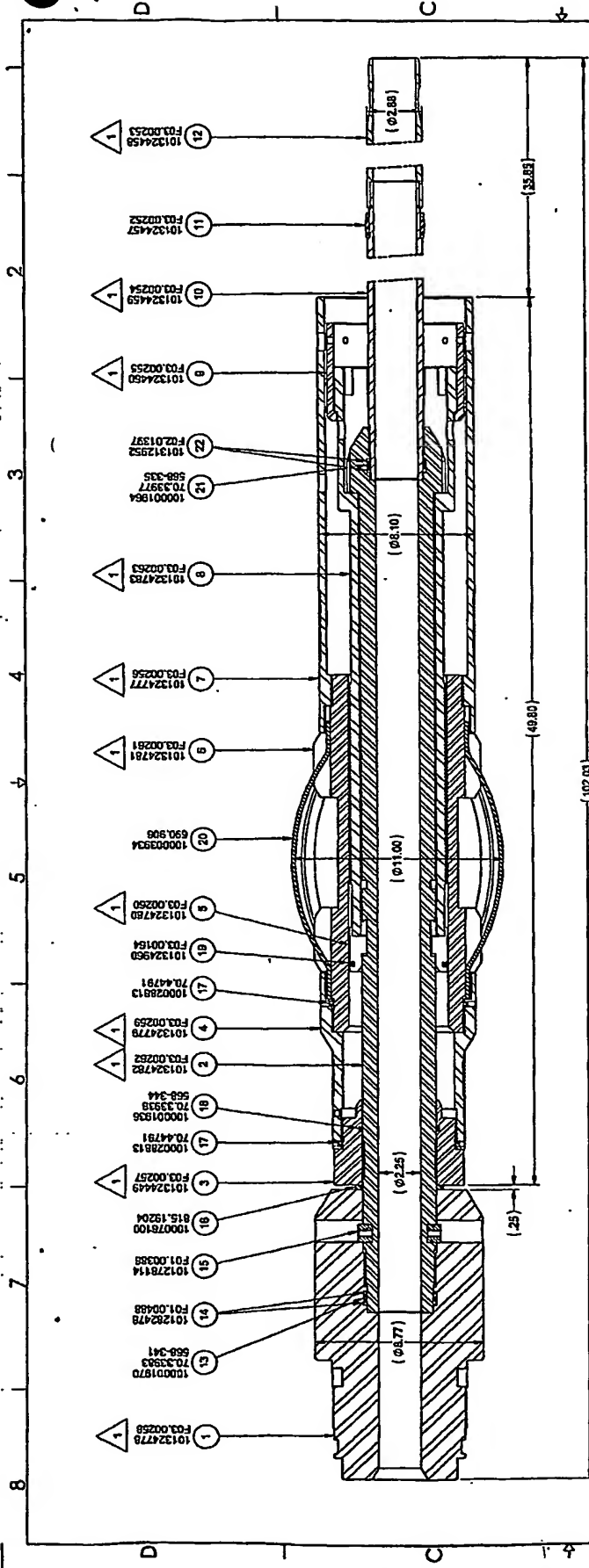
Attached are TIFF images of the composite packer assembly (F03.00115) which we submitted a couple of weeks ago, the drag spring type setting tool (F03.00264), the drag block type setting tool (F03.00268), and a drawing of the packer made up to the drag block setting tool (F03.00166).

To set the packer in casing, the drill pipe, which is connected to the setting tool, is rotated to the right ~25 turns. This moves a sleeve on the setting tool down to push the upper set of packer slips outward until they contact the casing ID. Tension is then applied to the setting tool and the packer mandrel. The packer is connected to the setting tool with shear pins. Tension compresses the packer elements against the upper slips and sets them and the lower slips against the casing ID. The shear pins then shear, releasing the setting tool from the packer assembly. An additional 20 turns to the right releases the drag blocks and setting sleeve from the stinger, allowing the stinger to move into the packer assembly far enough to manipulate the sliding sleeve valve.

BEST AVAILABLE COPY

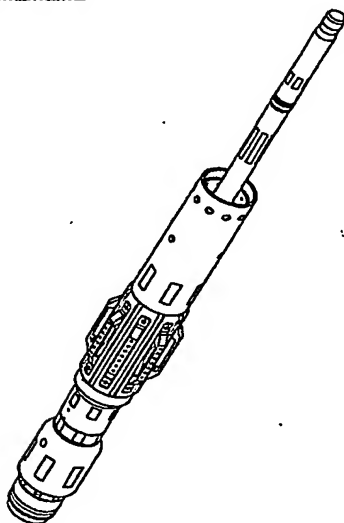
[illegible]





PROJECT AND DESIGNATION: <b>RESEARCH IN L.A. OF 17 COUNTRIES OF THE MIDDLE EAST AND NORTH AFRICA TO IDENTIFY AND LOCATE THE REMAINS OF THE MISSING AMERICAN AIRCRAFT CRASHED IN THE MOUNTAINS OF THE MIDDLE EAST AND NORTH AFRICA</b>		DRAWING NO.: <b>10125004</b>		SHEET NO.: <b>1</b>	
DATE: <b>10/25/04</b>		SCALE: <b>3/8"</b>		PROJECT NO.: <b>10125004</b>	
DRAWING NO.: <b>10125004</b>		SHEET NO.: <b>1</b>		PROJECT NO.: <b>10125004</b>	
TITLE: <b>SETTING TOOL ASSY.</b>		MATERIAL: <b>COMPOSITE ALUMINUM PAPER ASSY.</b>		QUANTITY: <b>10125004</b>	
DESCRIPTION: <b>TO 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA. 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA. 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA.</b>		QUANTITY: <b>10125004</b>		PROJECT NO.: <b>10125004</b>	
DRAWING NO.: <b>10125004</b>		SHEET NO.: <b>1</b>		PROJECT NO.: <b>10125004</b>	
TITLE: <b>SETTING TOOL ASSY.</b>		MATERIAL: <b>COMPOSITE ALUMINUM PAPER ASSY.</b>		QUANTITY: <b>10125004</b>	
DESCRIPTION: <b>TO 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA. 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA. 10410 EXPANDED CASING, 1/8" BORE, 3/8" DIA.</b>		QUANTITY: <b>10125004</b>		PROJECT NO.: <b>10125004</b>	

This technical drawing shows a cross-section of a mechanical assembly. A central shaft is surrounded by a housing. A curved component, possibly a valve or a guide, is positioned around the shaft. The drawing uses hatching to indicate different materials and cross-sections. The assembly is shown in a longitudinal section, revealing internal components and their relationships.



Technical drawing of a mechanical assembly, likely a pump or motor, showing a cross-section. The drawing includes a central shaft with various components, including a large impeller or rotor assembly. Dimensions are indicated with arrows and numbers. Key dimensions include a total length of 155.85, a section length of 48.80, and a section length of 25. The drawing is labeled with various part numbers and dimensions.

Dimensions and Part Numbers:

- 155.85 (Total length)
- 48.80 (Section length)
- 25 (Section length)
- 101324778 (Part 1)
- F03.00258 (Part 1)
- 10001870 (Part 14)
- 70.3383 (Part 14)
- 558-341 (Part 14)
- 101282478 (Part 15)
- F01.00485 (Part 15)
- 101278114 (Part 16)
- F01.00386 (Part 16)
- 100070100 (Part 17)
- 815.18204 (Part 17)
- 101324449 (Part 17)
- F03.00257 (Part 17)
- 100028813 (Part 18)
- 70.44791 (Part 18)
- 100018356 (Part 18)
- 70.33836 (Part 18)
- 558-344 (Part 18)
- 101324782 (Part 2)
- F03.00262 (Part 2)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)
- 101325154 (Part 7)
- F03.00260 (Part 7)
- 101324780 (Part 6)
- F03.00184 (Part 6)
- 101324960 (Part 13)
- 555.09127 (Part 13)
- 100003943 (Part 13)
- 555.09127 (Part 13)
- 101324780 (Part 6)
- F03.00260 (Part 6)
- 101325154 (Part 7)
- F03.00269 (Part 7)
- 101325117 (Part 3)
- F03.00268 (Part 3)
- 100028813 (Part 10)
- 70.44791 (Part 10)
- 10004075 (Part 10)
- 887.57141 (Part 10)
- 100003943 (Part 12)
- 555.09127 (Part 12)
- 101325115 (Part 12)
- F03.00165 (Part 12)
- 100033943 (Part 12)
- 555.09127 (Part 12)